

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091019\
 Data File : VX012282.D
 Acq On : 11 Sep 2019 04:32
 Operator : SY/SP
 Sample : K4680-13
 Misc : 5.89g/5.0mL/MSVOA X/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-1-(1.5)

Quant Time: Sep 11 07:43:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

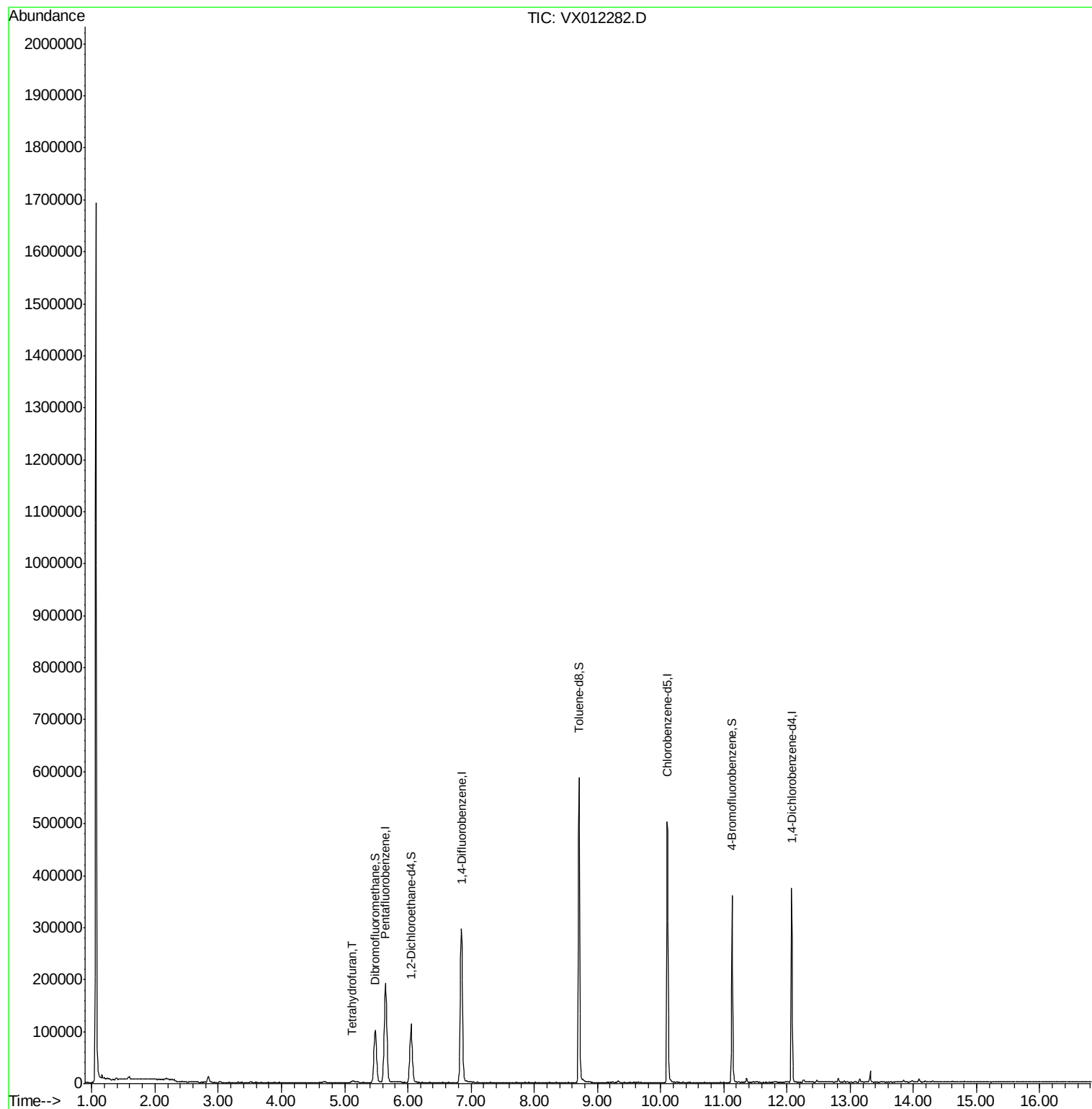
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	162019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282455	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	68061	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	112148	48.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.92%	
35) Dibromofluoromethane	5.48	113	86653	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	
50) Toluene-d8	8.71	98	333341	52.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	11.14	95	103130	35.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.06%	
Target Compounds						
29) Tetrahydrofuran	5.12	42	3939	10.532	ug/l	Qvalue 95

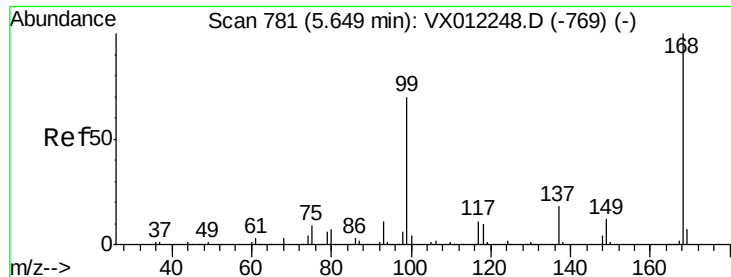
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

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Acq: 11 Sep 2019 04:32

Instrument :

MSVOA_X

ClientSampleId :

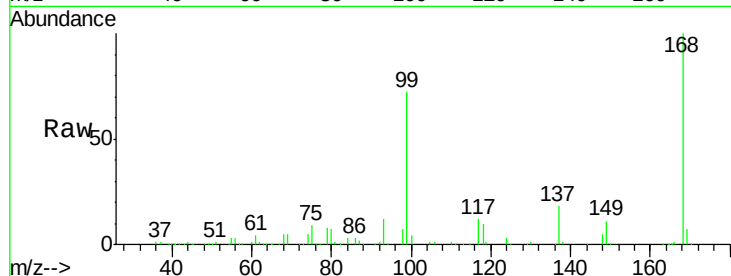
T3-1-(1.5)

Tot Ion:168 Resp: 162019

Ion Ratio Lower Upper

168 100

99 71.5 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

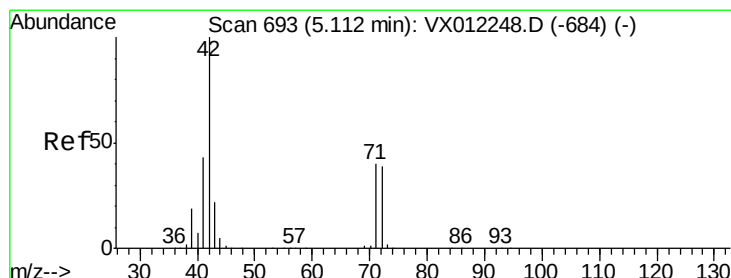
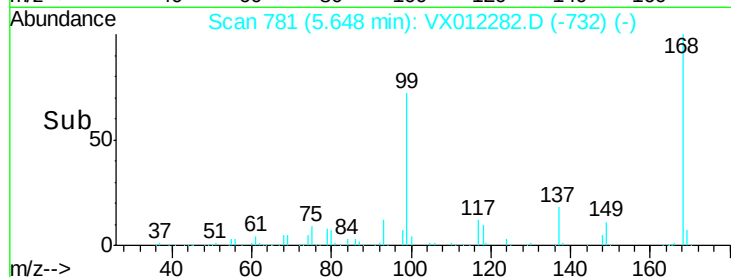
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#29

Tetrahydrofuran

Concen: 10.532 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012282.D

Acq: 11 Sep 2019 04:32

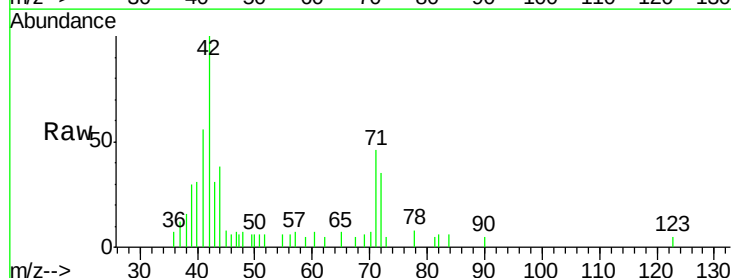
Tgt Ion: 42 Resp: 3939

Ion Ratio Lower Upper

42 100

72 40.0 35.2 52.8

71 38.7 32.5 48.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

5.12

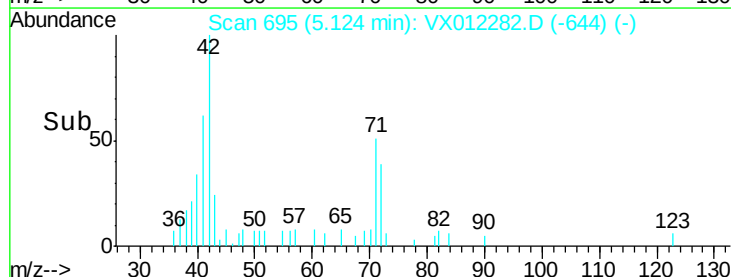
1500

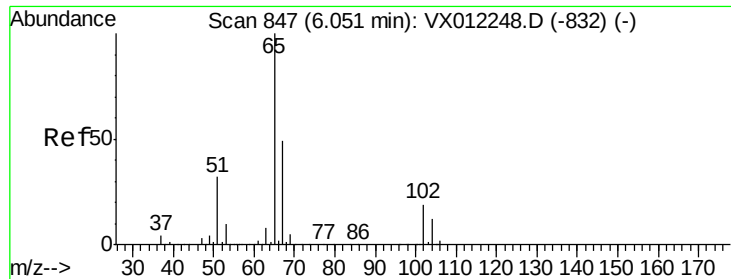
1000

500

0

Time--> 5.00 5.10 5.20

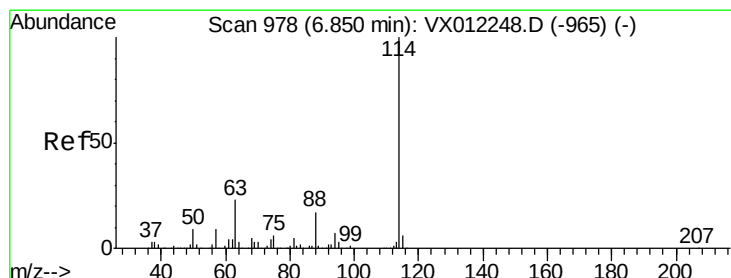
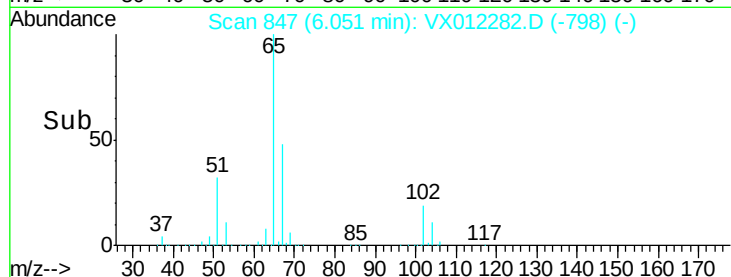
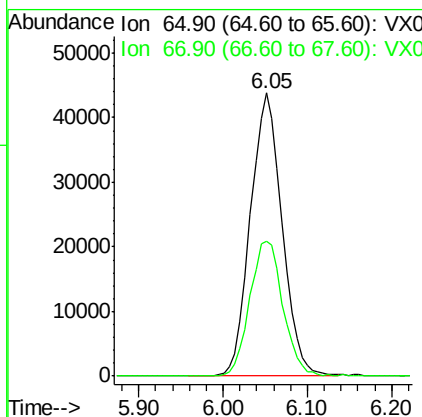
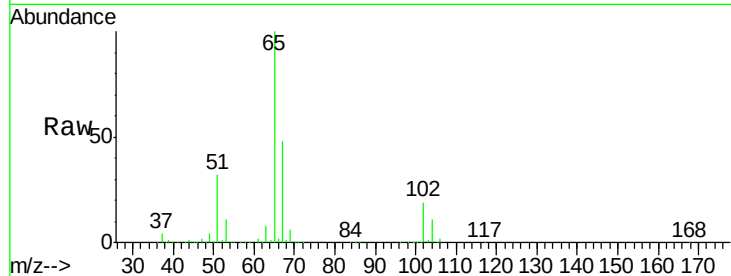




#33
 1,2-Dichloroethane-d4
 Concen: 48.959 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012282.D
 Acq: 11 Sep 2019 04:32

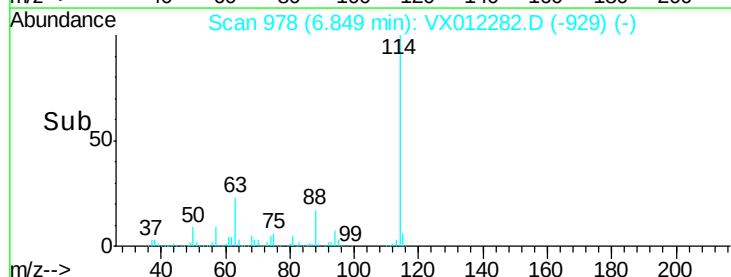
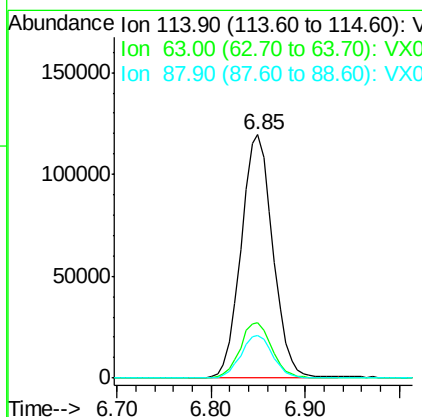
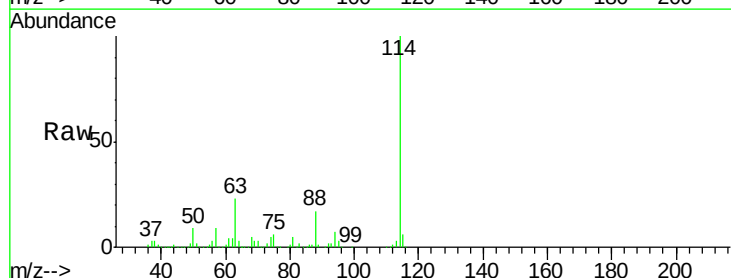
Instrument :
 MSVOA_X
 ClientSampleId :
 T3-1-(1.5)

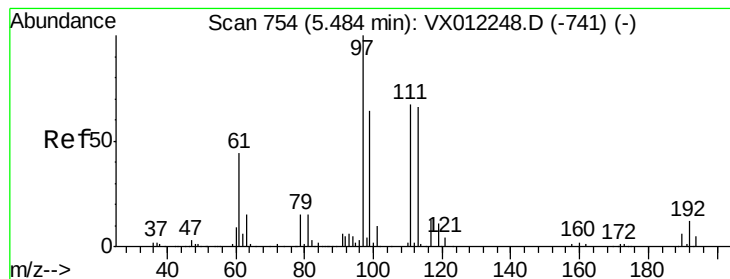
Tot Ion: 65 Resp: 112148
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012282.D
 Acq: 11 Sep 2019 04:32

Tgt Ion: 114 Resp: 282455
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.2
 88 17.3 0.0 34.8





#35

Dibromofluoromethane

Concen: 47.857 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012282.D

Acq: 11 Sep 2019 04:32

Instrument :

MSVOA_X

ClientSampleId :

T3-1-(1.5)

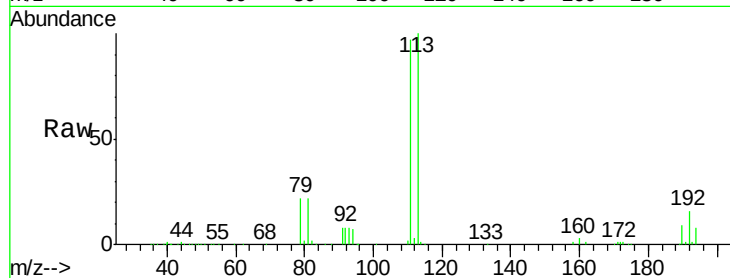
Tot Ion:113 Resp: 86653

Ion Ratio Lower Upper

113 100

111 101.5 83.0 124.6

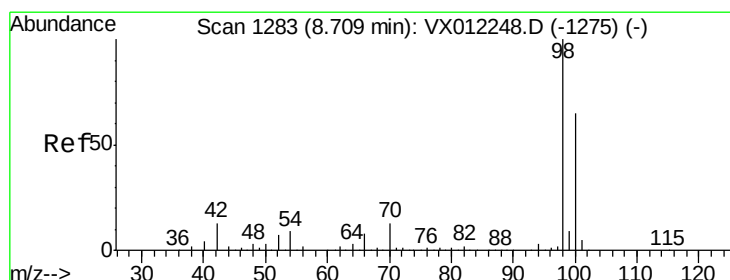
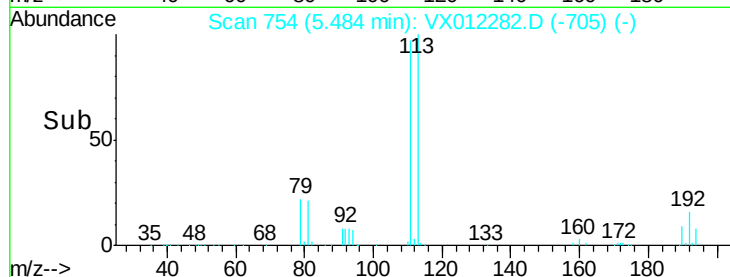
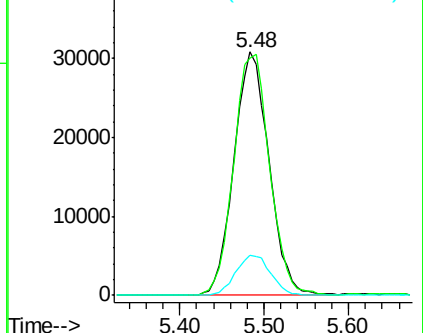
192 16.6 14.3 21.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 52.489 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012282.D

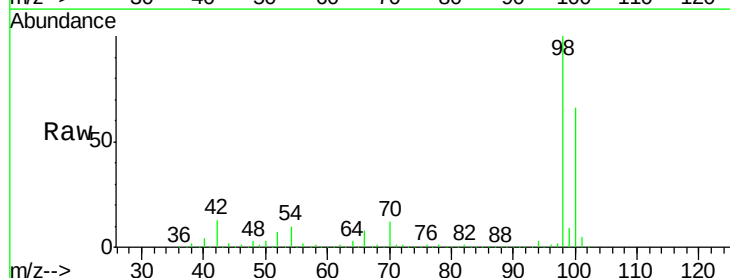
Acq: 11 Sep 2019 04:32

Tgt Ion: 98 Resp: 333341

Ion Ratio Lower Upper

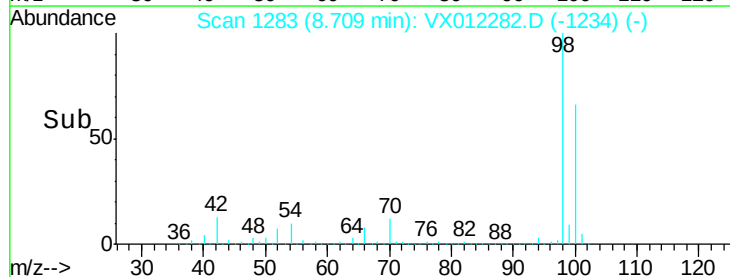
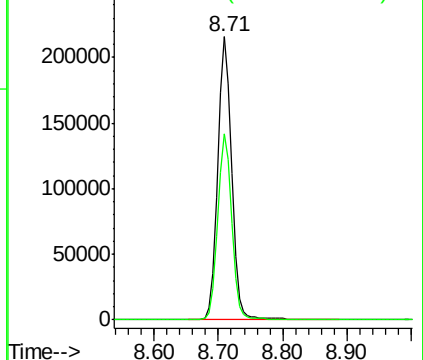
98 100

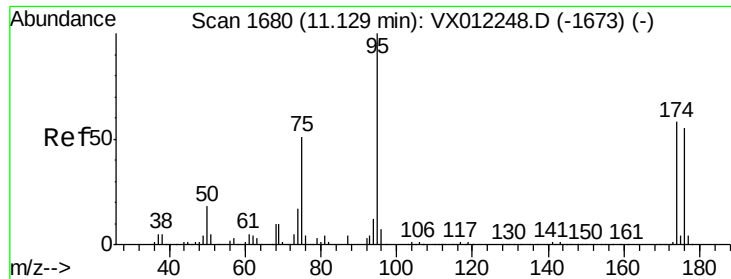
100 66.5 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 35.029 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012282.D

Acq: 11 Sep 2019 04:32

Instrument :

MSVOA_X

ClientSampled :

T3-1-(1.5)

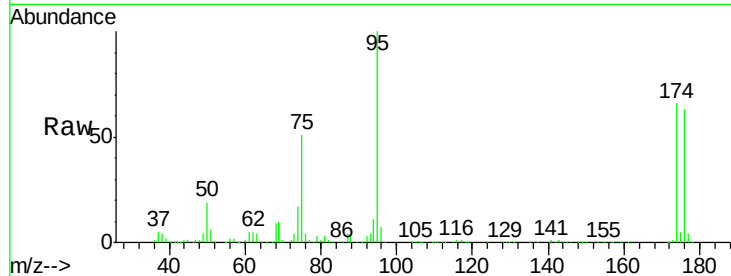
Tot Ion: 95 Resp: 103130

Ion Ratio Lower Upper

95 100

174 65.7 0.0 127.0

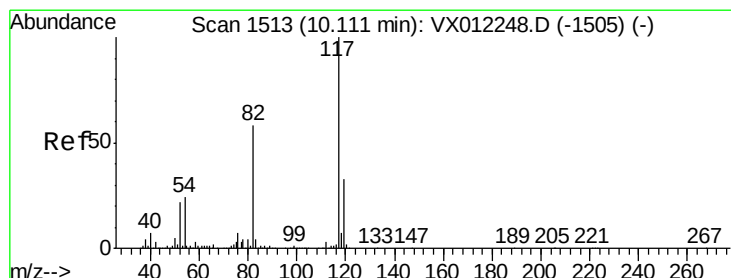
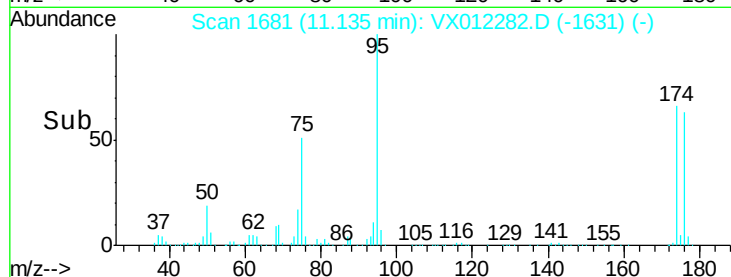
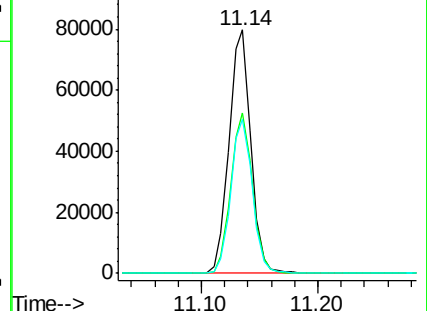
176 62.5 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX012282.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX012282.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX012282.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012282.D

Acq: 11 Sep 2019 04:32

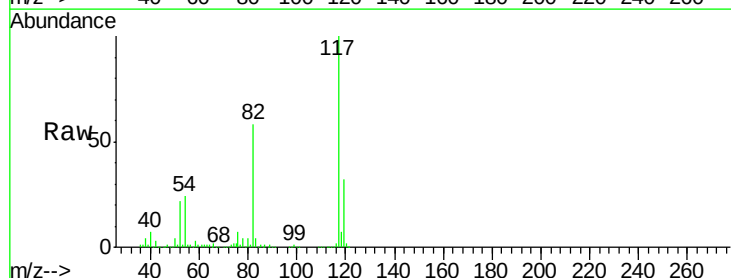
Tgt Ion: 117 Resp: 224247

Ion Ratio Lower Upper

117 100

82 58.3 46.4 69.6

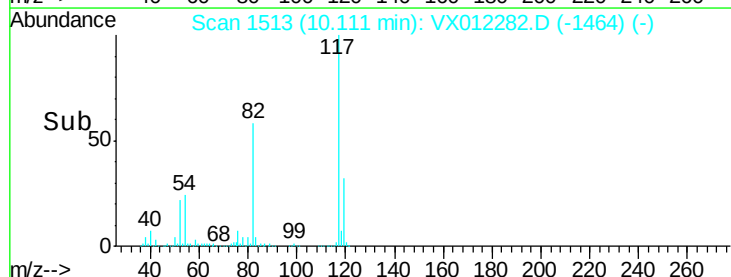
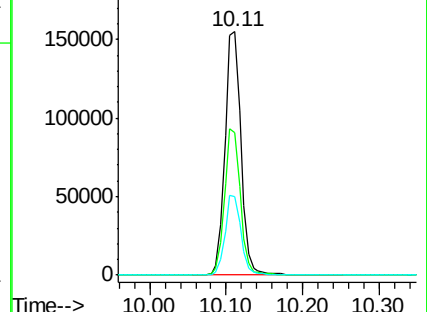
119 32.0 26.6 39.8

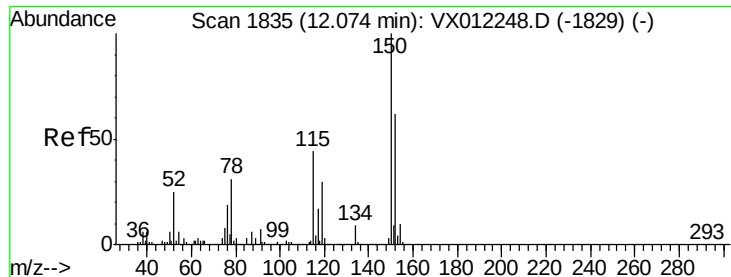


Abundance Ion 116.90 (116.60 to 117.60): VX012282.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012282.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012282.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012282.D

Acq: 11 Sep 2019 04:32

Instrument :

MSVOA_X

ClientSampleId :

T3-1-(1.5)

Tot Ion:152 Resp: 68061

Ion Ratio Lower Upper

152 100

115 65.8 45.5 136.4

150 160.0 0.0 346.4

